## **AUTHOR INDEX TO VOLUME 140**

Aarts, J.F.M., see H. van Lonkhuyzen	140 (1987) 434
Ameloot, M., see H. van Langen	140 (1987) 394
Amos, A.T., see J.C. Kettley	140 (1987) 286
Anderson, A., S. DeMoor and R.C. Hanson, Raman study of a new high pressure phase	1.0 (170.) 200
of hydrogen sulfide	140 (1987) 471
Anderson, S.G., see S.L. Howard	140 (1987) 385
Andrews, L., see S. Suzer	140 (1987) 300
Angerhofer, A., see J. Ullrich	140 (1987) 416
Aoyagi, K., see K. Fukui	140 (1987) 15
Aramburu, J.A., M. Moreno and A. Bencini, Charge-transfer transitions in CuCl <sub>4</sub> <sup>2</sup> and	1.0 (1.50.)
CuBr <sub>4</sub> <sup>2</sup> complexes: dependence on the metal-ligand distance	140 (1987) 462
Atkinson, G.H., see J.A. Koningstein	140 (1987) 154
Ault, B.S., see N.P. Machara	140 (1987) 411
Bailly, D., C. Rossetti and G. Graner, Unexpected frequency shifts and linewidth changes	
for rovibrational lines in the infrared emission spectra of CO <sub>2</sub> excited by active nitrogen Barigelletti, F., Effect of temperature on the photophysics of rhodamine 101 in a polar	140 (1987) 381
solvent	140 (1987) 603
Barnes, I., see D. Martin	140 (1987) 195
Barnes, I., V. Bastian, K.H. Becker and H. Niki, FTIR spectroscopic studies of the	(,
CH <sub>3</sub> S+NO <sub>2</sub> reaction under atmospheric conditions	140 (1987) 451
Bastian, V., see I. Barnes	140 (1987) 451
Becker, K.H., see D. Martin	140 (1987) 195
Becker, K.H., see I. Barnes	140 (1987) 451
Belmajdoub, A., J. Brondeau, J.C. Boubel and D. Canet, Slow motions undergone by sur-	()
factant molecules in micelles. A <sup>1</sup> H and <sup>14</sup> N nuclear magnetic relaxation study	140 (1987) 389
Bencini, A., see J.A. Aramburu	140 (1987) 462
Benson, J.M., I. Novak and A.W. Potts, Shape resonance in the 4d ionization of the molec-	(,
ular caesium halides	140 (1987) 311
Bertel, E., see G. Rosina	140 (1987) 200
Bertrand, P., The contributions to the electronic factor in bridge-assisted electron transfer	140 (1707) 200
processes	140 (1987) 57
Bilmes, G.M., see L. Scaffardi	140 (1987) 163
Bixon, M., J. Jortner, M.E. Michel-Beyerle, A. Ogrodnik and W. Lersch, The role of the	140 (1707) 103
accessory bacteriochlorophyll in reaction centers of photosynthetic bacteria: interme-	
diate acceptor in the primary electron transfer?	140 (1987) 626
Blom, C.E., K. Möller and R.R. Filgueira, Gas discharge modulation using fast electronic	140 (1987) 020
switches: application to HeH <sup>+</sup>	140 (1987) 489
Blum, L., see P.P. Schmidt	140 (1987) 370
Bodenhausen, G., see S. Wimperis	140 (1987) 370
Bollinger, JC., R. Faure, T. Yvernault and D. Stahl, On the existence of the protonated	140 (1907) 41
hydronium dication H <sub>4</sub> O <sup>2+</sup> in sulfolane solution	140 (1987) 579
nyuromum urcanon 1140 in sunoiane solution	140 (1907) 3/9

## **AUTHOR INDEX TO VOLUME 140**

Aarts, J.F.M., see H. van Lonkhuyzen	140 (1987) 434
Ameloot, M., see H. van Langen	140 (1987) 394
Amos, A.T., see J.C. Kettley	140 (1987) 286
Anderson, A., S. DeMoor and R.C. Hanson, Raman study of a new high pressure phase	1.0 (170.) 200
of hydrogen sulfide	140 (1987) 471
Anderson, S.G., see S.L. Howard	140 (1987) 385
Andrews, L., see S. Suzer	140 (1987) 300
Angerhofer, A., see J. Ullrich	140 (1987) 416
Aoyagi, K., see K. Fukui	140 (1987) 15
Aramburu, J.A., M. Moreno and A. Bencini, Charge-transfer transitions in CuCl <sub>4</sub> <sup>2</sup> and	1.0 (1.50.)
CuBr <sub>4</sub> <sup>2</sup> complexes: dependence on the metal-ligand distance	140 (1987) 462
Atkinson, G.H., see J.A. Koningstein	140 (1987) 154
Ault, B.S., see N.P. Machara	140 (1987) 411
Bailly, D., C. Rossetti and G. Graner, Unexpected frequency shifts and linewidth changes	
for rovibrational lines in the infrared emission spectra of CO <sub>2</sub> excited by active nitrogen Barigelletti, F., Effect of temperature on the photophysics of rhodamine 101 in a polar	140 (1987) 381
solvent	140 (1987) 603
Barnes, I., see D. Martin	140 (1987) 195
Barnes, I., V. Bastian, K.H. Becker and H. Niki, FTIR spectroscopic studies of the	(,
CH <sub>3</sub> S+NO <sub>2</sub> reaction under atmospheric conditions	140 (1987) 451
Bastian, V., see I. Barnes	140 (1987) 451
Becker, K.H., see D. Martin	140 (1987) 195
Becker, K.H., see I. Barnes	140 (1987) 451
Belmajdoub, A., J. Brondeau, J.C. Boubel and D. Canet, Slow motions undergone by sur-	()
factant molecules in micelles. A <sup>1</sup> H and <sup>14</sup> N nuclear magnetic relaxation study	140 (1987) 389
Bencini, A., see J.A. Aramburu	140 (1987) 462
Benson, J.M., I. Novak and A.W. Potts, Shape resonance in the 4d ionization of the molec-	(,
ular caesium halides	140 (1987) 311
Bertel, E., see G. Rosina	140 (1987) 200
Bertrand, P., The contributions to the electronic factor in bridge-assisted electron transfer	140 (1707) 200
processes	140 (1987) 57
Bilmes, G.M., see L. Scaffardi	140 (1987) 163
Bixon, M., J. Jortner, M.E. Michel-Beyerle, A. Ogrodnik and W. Lersch, The role of the	140 (1707) 103
accessory bacteriochlorophyll in reaction centers of photosynthetic bacteria: interme-	
diate acceptor in the primary electron transfer?	140 (1987) 626
Blom, C.E., K. Möller and R.R. Filgueira, Gas discharge modulation using fast electronic	140 (1987) 020
switches: application to HeH <sup>+</sup>	140 (1987) 489
Blum, L., see P.P. Schmidt	140 (1987) 370
Bodenhausen, G., see S. Wimperis	140 (1987) 370
Bollinger, JC., R. Faure, T. Yvernault and D. Stahl, On the existence of the protonated	140 (1907) 41
hydronium dication H <sub>4</sub> O <sup>2+</sup> in sulfolane solution	140 (1987) 579
nyuromum urcanon 1140 in sunoiane solution	140 (1907) 3/9

Volume 140, number 6	CHEMICAL PHYSICS LETTERS	23 October 1987
Bondarenko, E.A., see E.T. Ve	erkhovtseva	140 (1987) 181
Boubel, J.C., see A. Belmaido		140 (1987) 389
Boyle, M.E., see B.E. William		140 (1987) 483
	n, A detailed energy transfer mechanism in pentafluoroben-	110 (1501) 105
zene/argon mixtures	-, · · · · · · · · · · · · · · · · · · ·	140 (1987) 441
Brearley, A.M., R.C. Patel an	nd D.B. McDonald, Geminate ion-electron recombination	UHU TUTO US
	ds by time-resolved fluorescence	140 (1987) 270
Brondeau, J., see A. Belmajdo	oub	140 (1987) 389
Brunvoll, J., see S.J. Cyvin		140 (1987) 124
Bulska, H., see J. Sepioł		140 (1987) 607
Callis, P.R., see A.A. Rehms		140 (1987) 83
Campion, A., see X. Jiang		140 (1987) 95
Canet, D., see A. Belmajdoub		140 (1987) 389
Carlson, R.J. and J.C. Wright	t, Perturbative description of extra resonances in CARS	140 (1987) 101
Carrington Jr., T., L. Haloner	n and M. Quack, Fermi resonance in CHX <sub>3</sub> : a Hamiltonian	
in symmetrized curvilinear	r internal coordinates	140 (1987) 512
Carter, S., see J. Senekowitsc	h	140 (1987) 375
Castaño, O., see P. Karadako	v	140 (1987) 367
Catenaccio, A., see H. Meche	etti	140 (1987) 189
Causà, M., R. Dovesi, C. Roe	tti, E. Kotomin and V.R. Saunders, A periodic ab initio Har-	
tree-Fock calculation on c	orundum	140 (1987) 120
Cederbaum, L.S., see J. Kuca	ur .	140 (1987) 525
Chandler, D., Comment on "	'A new RISM integral equation for solvated polymers"	140 (1987) 108
Clift, N.M. and N.G. Parson	age, Monte Carlo studies of two-dimensional commensur-	
ate-incommensurate trans	itions	140 (1987) 572
Clouter, M.J., see A.R.W. Mc	cKellar	140 (1987) 117
Courtieu, J., N.T. Lai and L.	Werbelow, Creation of multiquantum coherences from equi-	
librium spin systems		140 (1987) 565
Cristinziano, P. and F. Lelj,	A molecular dynamics study of associations in solution. An	
NPT simulation of the ure		140 (1987) 401
Cyvin, B.N., see S.J. Cyvin		140 (1987) 124
Cyvin, B.N., see S.J. Cyvin		140 (1987) 124
		440 (4000)
De Boer, E., see G. Zwanenb		140 (1987) 11
	y, Non-linear polarizabilities of conjugated chains: regular	
polyenes, solitons, and pol		140 (1987) 537
DeMoor, S., see A. Anderson		140 (1987) 471
Dixon, R.N. and R.P. Tucket states of MX <sub>4</sub> <sup>+</sup> ions	tt, The sign of the spin-orbit coupling constant in $(t_2)^{5/2}T_2$	140 (1987) 553
Dohlus, R., see H. Graener		140 (1987) 306
	Model calculation on the numn proha measurement of ultra	140 (1907) 300
	Model calculation on the pump-probe measurement of ultra- decay in polyatomic molecules	140 (1097) 122
		140 (1987) 133
Doronin, Yu.S., see E.T. Ver	KIIUVISCVA	140 (1987) 181
Dovesi, R., see M. Causà	- I T W II - L POC C - L	140 (1987) 120
	and T.W. Healy, Effect of electrolyte on the mean interfacial haracteristics of cationic micelles	140 (1987) 493

Volume 140, number 6 CHEMICAL PHYSICS LETTERS	23 October 1987
Durup, J., see F.X. Gadéa	140 (1987) 110
Eckhardt, C.J., see M.E. Morrow  Floaters T and P. Schrotters Freited state proton transfer in 2 (2) hydroxy	140 (1987) 263
Elsaesser, T. and B. Schmetzer, Excited-state proton transfer in 2-(2'-hydroxy-phenyl)benzothiazole: formation of the anion in polar solvents  Eyal, M., R. Reisfeld, A. Schiller, C. Jacoboni and C.K. Jørgensen, Energy transfer between	140 (1987) 293
manganese(II) and thulium(III) in transition-metal fluoride glasses	140 (1987) 595
Faure, R., see JC. Bollinger	140 (1987) 579
Ferretti, A. and N.K. Rahman, Coupled logistic maps in physico-chemical processes: coex-	
isting attractors and their implications	140 (1987) 71
Filgueira, R.R., see C.E. Blom	140 (1987) 489
Flores, J.R., A. Largo-Cabrerizo and J. Largo-Cabrerizo, A theoretical study of SiC <sub>2</sub> <sup>+</sup>	140 (1987) 26
Francisco, J.S., Z. Li and I.H. Williams, Dissociation dynamics of the trifluoromethoxy radical	140 (1087) 531
	140 (1987) 531
Freed, J.H., see S.B. Rananavare	140 (1987) 255
Friedrich, B., see S.L. Howard	140 (1987) 385
Frost, R.J. and I.W.M. Smith, Combining transition state theory with quasiclassical tra-	140 (1007) 400
jectory calculations: application to the nitrogen exchange reaction $N+N_2(\nu)$	140 (1987) 499
Fujii, M., see T. Kakinuma	140 (1987) 427
Fujimura, Y., see S. Sato	140 (1987) 169
Fujimura, Y., K. Honma and O. Kajimoto, Reaction between electronically excited spe-	140 (1007) 220
cies: $O(^1D_2) + NO^*_2 \rightarrow NO(A) + O_2$	140 (1987) 320
Fukuda, K., see Y. Iino	140 (1987) 76
Fukui, K., H. Ohya-Nishiguchi, N. Hirota, K. Aoyagi and H. Ogoshi, Magnetic properties of a penta-coordinated high-spin cobalt(II) complex: acetate-N-methyl-	
octaethylporphyrinato-cobalt(II)	140 (1987) 15
Futrell, J.H., see S.L. Howard	140 (1987) 385
Gadéa, F.X. and J. Durup, On the fine-structure dependence of the Cs(7p,	
${}^{2}P_{1/2,3/2)}^{0}$ +H $\rightarrow$ CsH+H reaction cross section, Chem. Phys. Letters 138 (1987) 43.	
Erratum	140 (1987) 110
Gallhuber, E., see H. Yersin	140 (1987) 157
Gillies, C.W., see J. Zozom	140 (1987) 64
Giniger, R. and E.M. Kosower, Crystallite clusters of syn-bimanes in low-temperature, low-	
polarity glasses	140 (1987) 205
Glasbeek, M., see P.M.H.L. Tegelaar	140 (1987) 1
Grabowska, A., see J. Sepioł	140 (1987) 607
Graener, H., R. Dohlus and A. Laubereau, Infrared double resonance spectroscopy of	
bromoform with picosecond pulses	140 (1987) 306
Graner, G., see D. Bailly	140 (1987) 381
Grev, R.S., see B.S. Thies	140 (1987) 355
Grieser, F., see C.J. Drummond	140 (1987) 493
Grimson, M.J., see F. Ould Kaddour	140 (1987) 51
Gupta, S., see C.P. Williams	140 (1987) 250
Halonen, L., see T. Carrington Jr.	140 (1987) 512
Hamilton, P.A., High-resolution laser spectroscopy of the $A^2\Pi_u$ - $X^2\Pi_g$ system of $Br_2^+$	140 (1987) 591

Volume 140, number 6	CHEMICAL PHYSICS LETTERS	23 October 19	987
Hanson, R.C., see A. Anderson		140 (1987) 4	171
Healy, T.W., see C.J. Drummon	d - was a second of the second	140 (1987) 4	193
Hensler, G., see H. Yersin		140 (1987) 1	157
Hermant, R.M., see B. Wegewij	s	140 (1987) 5	587
Hirayama, S., F. Tanaka and K.	. Shobatake, Excess-energy-insensitive fluorescence decay	17 - 10	
of jet-cooled 9,10-dicyanoant	thracene	140 (1987) 4	147
Hirota, N., see K. Fukui		140 (1987)	15
Hoff, A.J., see E.J. Lous		140 (1987)	520
	ew form for intermolecular potential energy functions	140 (1987)	53
Honma, K., see Y. Fujimura	62.0	140 (1987) 3	320
Howard, S.L., A.L. Rockwood,	W. Trafton, B. Friedrich, S.G. Anderson and J.H. Futrell,	100 1 100	
Observation of fine-structure	transitions in rare gas charge transfer at surprisingly low		
energies using a crossed-mole	ecular beam technique	140 (1987)	385
Hüttner, W., H. Träuble, H.U.	Wieland and H. Müller, The magnetic hyperpolarizability	or y Ham	
anisotropy of molecular hydr	rogen	140 (1987)	421
Huzinaga, S., see O. Matsuoka	The second secon	140 (1987) :	567
lino, Y., T. Tani, M. Sakuda, H.	. Nakahara and K. Fukuda, Persistent hole burning of 1,4-		
disubstituted anthraquinone	molecules	140 (1987)	76
Ikeda, N., K. Imagi, H. Masuha	ra, N. Nakashima and K. Yoshihara, Picosecond transient		
absorption spectral and kinet	tic study on benzophenone microcrystals by diffuse reflec-		
tance laser photolysis method	d	140 (1987)	281
Imagi, K., see N. Ikeda		140 (1987)	281
Isaka, H., see H. Takahashi		140 (1987)	90
Ito, M., see T. Kakinuma		140 (1987)	427
Jacoboni, C., see M. Eyal		140 (1987)	595
The state of the s	G. Rist and K. Möbius, Time-resolved ESR and ENDOR	110 (130.)	0,0
	-dimethoxy-ω-phenyl-acetophenone	140 (1987)	615
	Rao, A <sup>13</sup> C NMR spectroscopic study of the phase tran-	110 (120.)	010
sitions of alkane dicarboxyli		140 (1987)	46
	between a structural parameter and the carboxyl <sup>13</sup> C chem-	110 (1701)	
	pounds containing carboxylic carbon as a functional group	140 (1987)	548
	Parker, Dependence of the BaO* product chemilumines-	1.0 (170.)	
	eactant orientation in the Ba + $N_2O \rightarrow BaO^* + N_2$ reaction	140 (1987)	215
	rical-analytical approach to the calculation of non-linear	(,	
electric properties		140 (1987)	130
	emical effects in surface-enhanced Raman scattering: pyr-	()	
idine chemisorbed on silver		140 (1987)	95
Jørgensen, C.K., see M. Eyal	additions on the (100)	140 (1987)	
Jortner, J., see M. Bixon		140 (1987)	
Joiner, J., See IV. Dinon		140 (1507)	020
Kajimoto, O., see Y. Fujimura		140 (1987)	320
	Ito, Two-color fluorescence dip and ion dip spectra of jet-	1.0 (1707)	520
cooled benzene	2.0, 2.00 color indolescence dip and for dip specific of jet-	140 (1987)	427
	S. Saito, Microwave spectroscopic determination of the	()	
dipole moment of cyclopron		140 (1087)	221

dipole moment of cyclopropenylidene, C<sub>3</sub>H<sub>2</sub>

140 (1987) 221

Volume 140, number 6	CHEMICAL PHYSICS LETTERS	23 October 1987
Karadakov, P. and O. Castaño	, A note on time-dependent variational principles	140 (1987) 367
	Absolute cross sections for the formation of $CN(X, v=0)$	
produced by controlled elec	etron impact on BrCN and CH <sub>3</sub> CN	140 (1987) 458
Keijzers, C.P., see G. Zwanen	burg	140 (1987) 11
Kenkre, V.M. and D. Schmid,	, Consequences of initial condition analysis for the inter-	
pretation of transient gratin		140 (1987) 238
Kettley, J.C., J.W. Oram, T.F.	Palmer, J.P. Simons and A.T. Amos, Solvent shifts in van	
der Waals complexes of per	ylene	140 (1987) 286
Khmelinsky, V.E., see N.L. La	vrik	140 (1987) 582
Kim, Y.H., see Y.O. Koh		140 (1987) 243
Kitaura, K., see K. Honda		140 (1987) 53
Koh, Y.O., Y.H. Kim and H.F. der Waals bends	K. Shin, Collisional energy transfer processes involving van	140 (1987) 243
	Tagashira, Photo-injected electron current in cryogenic liq-	110 (1707) 210
	id Ar, Ne, Ne, N <sub>2</sub> , and H <sub>2</sub> near their boiling points	140 (1987) 631
	and G.H. Atkinson, Electronic Raman scattering from ter-	(,
bium gallium garnet excited		140 (1987) 154
Koot, W., see W.J. van der Za		140 (1987) 175
Köppel, H., see W. Domcke		140 (1987) 133
Kosower, E.M., see R. Ginige	r	140 (1987) 205
Kotomin, E., see M. Causà		140 (1987) 120
	inger, Vibrationally selective electronic energy transfer from	1.0 (120.) 120
metastable Xe atoms to N <sub>2</sub>		140 (1987) 142
Krupa, J.C., see G. Zwanenbu		140 (1987) 11
Kuan, CY., see H.R. Mayne		140 (1987) 520
	S. Cederbaum, Time-dependent rotated Hartree approach	140 (1987) 525
Kunst, A.G.M., see B. Wegew		140 (1987) 587
Lai, N.T., see J. Courtieu		140 (1987) 565
Largo-Cabrerizo, A., see J.R.	Flores	140 (1987) 26
Largo-Cabrerizo, J., see J.R. I		140 (1987) 26
	hree-dimensional spatial characteristics of primary and sec-	- 10 (1701) - 10
ondary basis set superposit		140 (1987) 338
Laubereau, A., see H. Graene		140 (1987) 306
	insky, A study of the time parameters of radical geminate	(,
pairs by stroboscopic magn		140 (1987) 582
Lazzeretti, P., see J.A. Tossell		140 (1987) 37
	rupole coupling in the rotational spectrum of HC <sup>15</sup> ND <sup>79</sup> Br:	1.0 (150.)
	Br oscillation amplitudes and force constant	140 (1987) 315
Lelj, F., see P. Cristinziano	, a committee and love committee	140 (1987) 401
Lemaire, H., see J.A. Konings	stein	140 (1987) 154
Lendzian, F., see P. Jaegerma		140 (1987) 615
Lersch, W., see M. Bixon		140 (1987) 626
Levine, Y.K., see H. van Lang	gen	140 (1987) 394
Li, Z., see J.S. Francisco	Market State of the September 2 of the last tree	140 (1987) 531
,,		(, 501

Lous, E.J. and A.J. Hoff, Absorbance-detected electron spin echo spectroscopy of non-	
radiative triplet states in zero field. An application to the primary donor of the pho-	
tosynthetic bacterium Rhodobacter sphaeroides R-26	140 (1987) 620
Macdonald, R.G. and F.C. Sopchyshyn, Laser-induced photoionization of $Ar_2(^3\Sigma_u^+)$ at	
308 nm	140 (1987) 476
Machara, N.P. and B.S. Ault, 193 nm excimer laser photochemistry in cryogenic matrices:	
synthesis of N-methylmethyleneimine	140 (1987) 411
Magallanes, C., see H. Mechetti	140 (1987) 189
Marks, J.P., see B.E. Williamson	140 (1987) 483
Martin, D., I. Barnes and K.H. Becker, Rate constant and products of the reaction C1+CS <sub>2</sub>	
in air	140 (1987) 195
Masuhara, H., see N. Ikeda	140 (1987) 281
Matsuoka, O., Nuclear attraction integrals in the homogeneously charged sphere model of the atomic nucleus	140 (1987) 362
Matsuoka, O. and S. Huzinaga, Relativistic well-tempered Gaussian basis sets	140 (1987) 567
Mayer, I. and Á. Vibók, Intermolecular SCF method without BSSE: the closed-shell case	140 (1987) 558
Mayne, H.R., CY. Kuan and R.J. Wolf, m <sub>i</sub> rainbows in molecule-surface scattering	140 (1987) 520
McCurdy, C.W., see T.N. Rescigno	140 (1987) 320
McDonald, D.B., see A.M. Brearley	140 (1987) 232
McKellar, A.R.W. and M.J. Clouter, The intensity of the $R_0(0)$ transition of solid HD	140 (1987) 270
McLaughlin, E., see C.P. Williams	140 (1987) 250
Mechetti, H., A. Catenaccio and C. Magallanes, Critical number density in polar liquids:	140 (1907) 230
orientational polarizability of polar molecules in <i>n</i> -decanol/ <i>n</i> -heptanol and <i>n</i> -heptan-	
ol/heptane systems	140 (1987) 189
Meyer, HD., see J. Kucar	140 (1987) 525
Michel-Beyerle, M.E., see M. Bixon	140 (1987) 626
Miller, W.H., see J.Z.H. Zhang	140 (1987) 329
Möbius, K., see P. Jaegermann	140 (1987) 615
Möller, K., see C.E. Blom	140 (1987) 489
Moreno, M., see J.A. Aramburu	140 (1987) 462
Morokuma, K., see K. Yamashita	140 (1987) 345
Morokuma, K., see I. Röeggen	140 (1987) 349
Morrow, M.E., K.M. White, C.J. Eckhardt and D.J. Sandman, Single-crystal reflection and	110 (1701) 517
Raman spectra of the polydiacetylene THD	140 (1987) 263
Mukherjee, S., see R. Roy	140 (1987) 210
Müller, H., see W. Hüttner	140 (1987) 421
Nakahara, H., see Y. Iino	140 (1987) 76
Nakashima, N., see N. Ikeda	140 (1987) 281
Netzer, F.P., see G. Rosina	140 (1987) 200
Niki, H., see I. Barnes	140 (1987) 451
Novak, I., see J.M. Benson	140 (1987) 311
Ochi, N. and S. Tsuchiya, Quantum beat spectroscopy of Zeeman splitting and level anti-	
crossing of rotationally selected acetylene ( $\tilde{A}^1A_u 3\nu_3$ ) under weak magnetic fields	140 (1987) 20
Ogawa, T., see H. Kawazumi	140 (1987) 458
Ogilvie, J.F., An analytic representation of the radial dependence of adiabatic and non-	
adiabatic corrections from molecular spectra of diatomic molecules	140 (1987) 506

Volume 140, number 6	CHEMICAL PHYSICS LETTERS	23 October 1987
Ogoshi, H., see K. Fukui		140 (1987) 15
Ogrodnik, A., see M. Bixon		140 (1987) 626
Ohta, K., M. Shiotani and J. S	ohma, ESR spectra and structures of radical cations of o	chlo-
rotrifluoroethylene and bro		140 (1987) 148
Ohya-Nishiguchi, H., see K. F		140 (1987) 15
Ohzeki, T., see H. Takahashi		140 (1987) 90
Oram, J.W., see J.C. Kettley		140 (1987) 286
Ottinger, Ch., see T. Krümpel	lmann	140 (1987) 142
Ould Kaddour, F., M.J. Grim	son and M. Silbert, Neutron scattering from polyelectro	olyte
solutions		140 (1987) 51
Palmer, T.F., see J.C. Kettley		140 (1987) 286
Parker, D.H., see H. Jalink		140 (1987) 215
Parsonage, N.G., see N.M. Cl	lift	140 (1987) 572
Patel, R.C., see A.M. Brearley		140 (1987) 270
Peterson, J.R., see W.J. van d	ler Zande	140 (1987) 175
Pisipati, V.G.K.M., see S.B. I		140 (1987) 255
Pottel, H., see H. van Langen		140 (1987) 394
Potts, A.W., see J.M. Benson		140 (1987) 311
Pulay, P., see K. Wolinski		140 (1987) 225
Quack, M., see T. Carrington	Jr.	140 (1987) 512
Rahman, N.K., see A. Ferrett	ti	140 (1987) 71
	Pisipati and J.H. Freed, Nematic order near a tricr	
nematic-smectic A phase	transition	140 (1987) 255
Rangelov, G., see G. Rosina		140 (1987) 200
Rao, C.N.R., see N.R. Jagani		140 (1987) 46
·	Resolution of L <sub>a</sub> and L <sub>b</sub> bands in methyl indoles by two	The second secon
ton spectroscopy		140 (1987) 83
Reisfeld, R., see M. Eyal		140 (1987) 595
	Curdy, Multichannel electron-atom scattering calcula	ations
	tions of the energy spectrum	140 (1987) 232
Rettschnick, R.P.H., see B. V	Vegewijs	140 (1987) 587
Reuss, J., see M. Snels		140 (1987) 543
Rhodes, C.J. and M.C.R. Syn	mons, The structure of the radical cation of ethylene	oxide
(oxirane) in low-temperat	ture matrices	140 (1987) 611
Rist, G., see P. Jaegermann		140 (1987) 615
Rockwood, A.L., see S.L. Ho	oward	140 (1987) 385
Röeggen, I., K. Morokuma an of Be <sub>2</sub>	nd K. Yamashita, On the binding energy of the ground	
Roetti, C., see M. Causà		140 (1987) 349
	Bertel, H. Saalfeld and F.P. Netzer, Symmetry reducti	140 (1987) 120
benzene on Rh(111) by c		
Rosmus, P., see J. Senekowit		140 (1987) 200
Rossetti, C., see D. Bailly	13011	140 (1987) 375
Mossetti, C., see D. Dailly		140 (1987) 381

Roy, R. and S. Mukherjee, Fluorescence quenching of carbazole and indole by	
ethylenetrithiocarbonate	140 (1987) 210
Saalfeld, H., see G. Rosina	140 (1987) 200
Saito, S., see H. Kanata	140 (1987) 221
Sakai, Y., see H. Kojima	140 (1987) 631
Sakaino, Y., see H. Takahashi	140 (1987) 90
Sakuda, M., see Y. Iino	140 (1987) 76
Sandman, D.J., see M.E. Morrow	140 (1987) 263
Sato, S. and Y. Fujimura, Effects of vibronic dephasings on the polarization anisotropy	
decay in the time-resolved two-photon ionization of an isolated molecule	140 (1987) 169
Saunders, V.R., see M. Causà	140 (1987) 120
Scaffardi, L., G.M. Bilmes, D. Schinca and J.O. Tocho, Back isomerization from the excited	
state photoisomer in laser dye 3,3'-diethyloxadicarbocyanine iodide (DODCI)	140 (1987) 163
Schaefer III, H.F., see B.S. Thies	140 (1987) 355
Schatz, P.N., see B.E. Williamson	140 (1987) 483
Scheiner, S., see Z. Latajka	140 (1987) 338
Schiller, A., see M. Eyal	140 (1987) 595
Schinca, D., see L. Scaffardi	140 (1987) 163
Schmetzer, B., see T. Elsaesser	140 (1987) 293
Schmid, D., see V.M. Kenkre	140 (1987) 238
Schmidt, P.P. and L. Blum, A strategy to determine the transition state of an electron	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
transfer reaction	140 (1987) 370
Sellers, H.L., see K. Wolinski	140 (1987) 225
Senekowitsch, J., S. Carter, HJ. Werner and P. Rosmus, Vibrational radiative lifetimes in H <sub>2</sub> Se and HCS <sup>-</sup>	140 (1987) 375
Sepiol, J., H. Bulska and A. Grabowska, The dihydroxy derivative of 2,2'-bipyridyl as a	(,
new proton-transfer lasing dye	140 (1987) 607
Shin, H.K., see Y.O. Koh	140 (1987) 243
Shiotani, M., see K. Ohta	140 (1987) 148
Shobatake, K., see S. Hirayama	140 (1987) 447
Shushin, A.I., Magnetic field effects on the geminate recombination of anisotropic radicals	140 (1987) 111
Siemiarczuk, A. and W.R. Ware, Fluorescence decay kinetics of 1,3-di(1-pyrenyl)propane	110 (1707) 111
reinvestigated	140 (1987) 277
Silbert, M., see F. Ould Kaddour	140 (1987) 51
Silbey, R., see C.P. de Melo	140 (1987) 537
Simons, J.P., see J.C. Kettley	140 (1987) 286
Singer, K. and W. Smith, The classical and quantum-mechanical free energy of solid (Len-	140 (1007) 406
nard-Jones) argon	140 (1987) 406
Smith, I.W.M., see R.J. Frost	140 (1987) 499
Smith, W., see K. Singer	140 (1987) 406
Snels, M. and J. Reuss, Induction effects on IR-predissociation spectra of (SF <sub>6</sub> ) <sub>2</sub> , (SiF <sub>4</sub> ) <sub>2</sub>	140 (1007) 540
and (SiH <sub>4</sub> ) <sub>2</sub>	140 (1987) 543
Snyder, P.A., see B.E. Williamson	140 (1987) 483
Sohma, J., see K. Ohta	140 (1987) 148
Sopchyshyn, F.C., see R.G. Macdonald	140 (1987) 476
Stahl, D., see JC. Bollinger	140 (1987) 579

Stolte, S., see H. Jalink	140 (1987) 215
Suenram, R.D., see J. Zozom	140 (1987) 64
Sumitani, M., Y. Takagi and K. Yoshihara, Direct observation of radiationless transitions	
from the excited to ground electronic state under collision-free conditions	140 (1987) 468
Suzer, S. and L. Andrews, IR spectra of complexes of Na, K and Cs with H <sub>2</sub> O in solid argon	140 (1987) 300
Symons, M.C.R., see C.J. Rhodes	140 (1987) 611
Tagashira, H., see H. Kojima	140 (1987) 631
Takagi, Y., see M. Sumitani	140 (1987) 468
Takahashi, H., K. Yoda, H. Isaka, T. Ohzeki and Y. Sakaino, Resonance Raman studies of transient species in the photochromism of 1',3',3'-trimethylspiro-[2H-1-benzo-	
pyran-2,2'-indoline]	140 (1987) 90
Tanaka, F., see S. Hirayama	140 (1987) 447
Tani, T., see Y. Iino	140 (1987) 76
Tegelaar, P.M.H.L., M. Glasbeek and A.H. Zewail, Time-resolved spin diffusion of quasi- linear excitons in disordered solid DBN	140 (1987) 1
Terazima, M., Extremely fast radiationless transition from the triplet state of 9,10-	,
diazaphenanthrene	140 (1987) 6
Thies, B.S., R.S. Grev and H.F. Schaefer III, Dimethyldisilyne: a fleetingly observed spe-	(,
cies incorporating a triple bond?	140 (1987) 355
Tocho, J.O., see L. Scaffardi	140 (1987) 163
Tossell, J.A. and P. Lazzeretti, Ab initio calculation of the <sup>31</sup> P NMR shielding tensor for	1.0 (150.) 100
the series $PO_aF_b^{-(2a+b-5)}$ , $a+b=4$ and for $HPO_4^{2-}$	140 (1987) 37
Trafton, W., see S.L. Howard	140 (1987) 385
Träuble, H., see W. Hüttner	140 (1987) 421
Tsuchiya, S., see N. Ochi	140 (1987) 20
Tuckett, R.P., see R.N. Dixon	140 (1987) 553
Ullrich, J., A. Angerhofer, J.U. von Schütz and H.C. Wolf, Zero-field absorption ODMR	
of reaction centers of Rhodobacter sphaeroides at temperatures between 4.2 and 75 K	140 (1987) 416
Van der Zande, W.J., W. Koot, J.R. Peterson and J. Los, Charge exchange of O <sub>2</sub> <sup>+</sup> with Cs:	
spectroscopy and predissociation pathways for the $\Pi_g$ Rydberg states of $O_2$ Van Langen, H., Y.K. Levine, M. Ameloot and H. Pottel, Ambiguities in the interpretation	140 (1987) 175
of time-resolved fluorescence anisotropy measurements on lipid vesicle systems Van Lonkhuyzen, H. and J.F.M. Aarts, Optical emission of $GeF_4^+(\tilde{D})$ produced by ion	140 (1987) 394
impact ionisation of GeF <sub>4</sub>	140 (1987) 434
Verhoeven, J.W., see B. Wegewijs	140 (1987) 587
Verkhovtseva, E.T., E.A. Bondarenko and Yu.S. Doronin, Cluster size effects in VUV radiation spectra of argon and krypton supersonic jets	140 (1987) 181
Vibók, Á., see I. Mayer	
Von Schütz, J.U., see J. Ullrich	140 (1987) 558 140 (1987) 416
Wallington, T.J., see W. Braun	140 (1987) 441
Ware, W.R., see A. Siemiarczuk	
Wegewijs, B., R.M. Hermant, J.W. Verhoeven, A.G.M. Kunst and R.P.H. Rettschnick,	140 (1987) 277
Determination of the barrier to intramolecular exciplex formation in a jet-cooled,	
bichromophoric molecule	140 (1987) 587
	( , 001

Volume	140	number	6

## CHEMICAL PHYSICS LETTERS

23 October 1987

Werbelow, L., see J. Courtieu	140 (1987) 565
Werner, HJ., see J. Senekowitsch	140 (1987) 375
White, K.M., see M.E. Morrow	140 (1987) 263
Wieland, H.U., see W. Hüttner	140 (1987) 421
Williams, C.P., S. Gupta and E. McLaughlin, Computer simulation using a non-spherical	
reference potential for polar fluids	140 (1987) 250
Williams, I.H., see J.S. Francisco	140 (1987) 531
Williamson, B.E., M.E. Boyle, P.N. Schatz, J.P. Marks and P.A. Snyder, Vacuum ultra-	
violet MCD and absorption spectra of zinc phthalocyanine isolated in an Ar matrix using	
synchrotron radiation	140 (1987) 483
Wimperis, S. and G. Bodenhausen, Relaxation-allowed transfer of coherence in NMR	
between spins which are not scalar coupled	140 (1987) 41
Wolf, H.C., see J. Ullrich	140 (1987) 416
Wolf, R.J., see H.R. Mayne	140 (1987) 520
Wolinski, K., H.L. Sellers and P. Pulay, Consistent generalization of the Møller-Plesset	
partitioning to open-shell and multiconfigurational SCF reference states in many-body	
perturbation theory	140 (1987) 225
Wright, J.C., see R.J. Carlson	140 (1987) 101
Wu, K.T., Model calculations for the predissociative excitation of CS <sub>2</sub>	140 (1987) 31
Yamamoto, S., see H. Kanata	140 (1987) 221
Yamashita, K. and K. Morokuma, Ab initio calculations of the dipole moments in low-	
lying electronic states of the CCN radical	140 (1987) 345
Yamashita, K., see I. Röeggen	140 (1987) 349
Yersin, H., E. Gallhuber and G. Hensler, Zero-phonon and vibronic structure of	
[Os(bpy) <sub>3</sub> ] <sup>2+</sup> doped into single-crystal [Ru(bpy) <sub>3</sub> ](ClO <sub>4</sub> ) <sub>2</sub>	140 (1987) 157
Yoda, K., see H. Takahashi	140 (1987) 90
Yoshihara, K., see N. Ikeda	140 (1987) 281
Yoshihara, K., see M. Sumitani	140 (1987) 468
Yvernault, T., see JC. Bollinger	140 (1987) 579
Zewail, A.H., see P.M.H.L. Tegelaar	140 (1987) 1
Zhang, J.Z.H. and W.H. Miller, New method for quantum reactive scattering, with appli-	
cations to the 3-D H+H <sub>2</sub> reaction	140 (1987) 329
Zozom, J., C.W. Gillies, R.D. Suenram and F.J. Lovas, Microwave detection of the pri-	
mary ozonide of ethylene in the gas phase	140 (1987) 64
Zwanenburg, G., C.P. Keijzers, E. de Boer and J.C. Krupa, Simulation of EPR spectra of	
ThBr <sub>4</sub> :Pa <sup>4+</sup> in the incommensurable phase	140 (1987) 11